

M E M O R A N D U M

July 14, 1980

Site: A.L. Taylor  
Break: 222  
Other: \_\_\_\_\_

Art-  
FIS  
mt

**RECEIVED**  
JUL 16 1980  
DIV. OF HAZARDOUS MATERIAL  
AND WASTE MANAGEMENT

TO: *mt* RICHARD M. FRY, Manager  
Field Operations Branch

THROUGH: ROSS SINGLETON, Environmental Supervisor *RS*  
Field Operations Branch

FROM: ROBERT KOENTOP, Environmental Specialist *RK*  
Field Operations Branch

SUBJECT: Chemical Analyses - A. L. Taylor Site

Attached is the chemical analysis of both samples from Ford Motor Company generated at the Valley of the Drums. Additionally, methodology of analysis, calculations, and chromatograms are included with the results as requested by this office (see memorandum dated June 26, 1980).

1. LWS-1 - no halogenated hydrocarbons were detected up to 0.08 ppm levels. Only concentrations of chromium (Cr = 3.68 ppm) and lead (Pb = 58.47 ppm) should be noted.
2. OIL-1 - no PCB's were detected in the waste oil sample.

NOTE: All waste oil (560 gallons total) was sent to Kyana Waste Oil on July 8, 1980.

Disposal of the liquid waste solvents is still in the works: facilities being considered by Ford/Liquid Processor's are Pristine (Ohio), Chem-dyne (Ohio), MSD (Cincinnati) Industrial Incinerator, and the Solite Corporation (Brooks, KY).

RK/lrw

Attache~~m~~nt

cc: Caroline P. Haight  
Art Curtis



10948768

000298

ANALYTICAL LABORATORIES  
LOUISVILLE TESTING LABORATORY, INC.

1401 WEST CHESTNUT STREET

LOUISVILLE, KY. 40203

Certificate of analysis No. 4070

Date received 6-27-80

Marks #LWS-1, OIL-1

From Ford - Liquid Processers

#LWS-1

Halogenated Hydrocarbons - Negative

Detection limit less than .08 ppm

PCBs - Negative

" " " " .08 ppm

As - <.01 PPM

Ba - <.01 "

Cd - <.01 "

Cr - 3.68 "

Pb - 58.47 "

Hg - <.01

Se - <.01

Ag - <.01

Ash - 0.19%

Flash point - 110° C

BTU - 14,573 per pound

OIL-1

PCBs - Negative - Detection limit less than .08 ppm

Reported 7-1-80

LOUISVILLE TESTING LABORATORY, INC.

By *Kenneth W. Smith, Jr.*

✓ "Method for Organochlorine Pesticides in Industrial Effluents"  
MDQARL, E.P.A., Cin., OH, Nov. 28, 1973

POLYCHLORINATED BIPHENYLS- (PCBs)  
Gas Chromatographic Method Using Electron Capture  
DETECTION

ASTM ANNUAL BOOK OF STDS. 642 (1977)

Sensitivities

.132 ug of Lindane gave peak height of 93  
= (.132 ppm)

.08 ug of Aldrin " " " " 40.5  
(= .08 ppm)

1 ug = 1 ppm

TDW

1 ul =  $\frac{1}{1000}$  ml

10-0131

50

HEWLETT-PACKARD

